



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

OTTAWA, December 4, 1959.

TYPE APPROVAL

LANDIS & GYR TYPE "RG/Pmv" "TELE-PRINTO-MAXIGRAPH"
AVERAGE DEMAND RECORDER AND PRINTER

The apparatus specified and illustrated herein has been duly approved by the Standards Branch under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Type "RG/Pmv" "Tele-Printo-Maxigraph" Average Demand Recorder and Printer, manufactured by Landis & Gyr, Zug, Switzerland, and distributed in Canada by Landis & Gyr, Inc., 1010 Grou, Montreal 9, P. Q.

Rating of Apparatus:

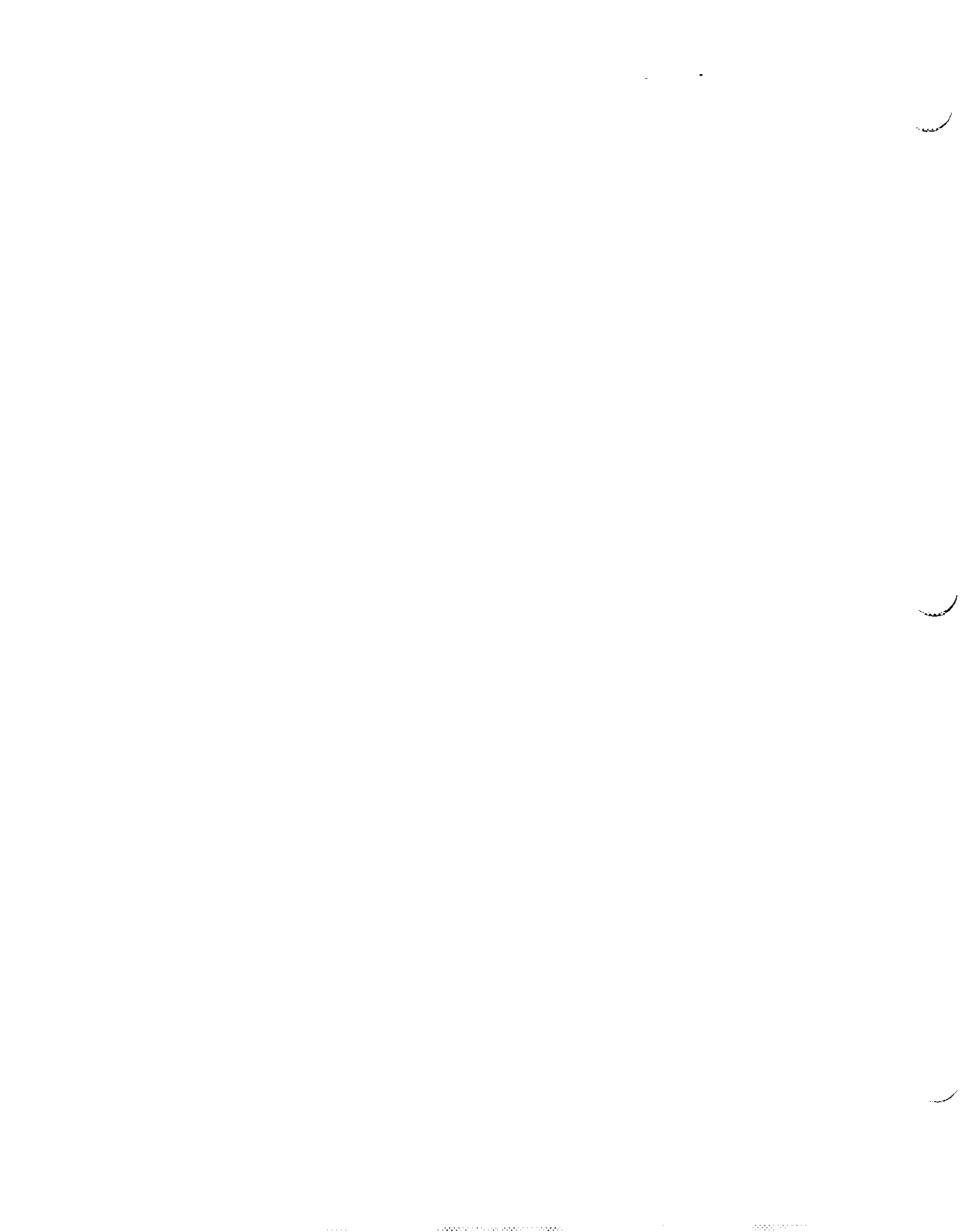
Input up to 90 pulses per minute
Chart Speed 5 mm per printing
Time Interval 10, 15, 20, 30 and 60 minutes
Supply 115 volts, 60 cycles.

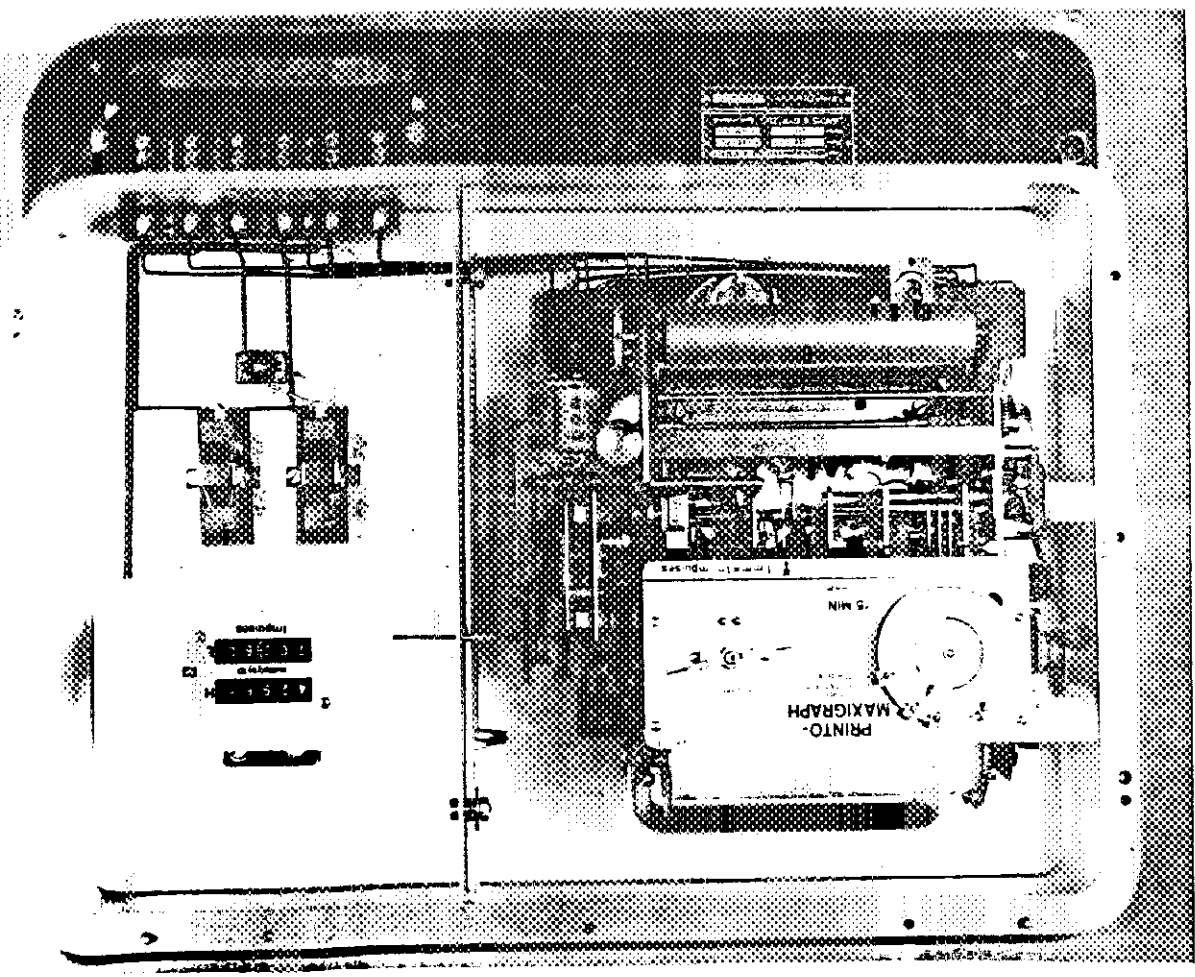
Description: The "Tele-Printo-Maxigraph" is a recording instrument principally intended to provide a printed record of variations in average load. The load values are converted into pulses which are fed into and recorded by the printing mechanism. These pulses trip a receiving relay, and the power required to drive the printing mechanism and demand indicators is supplied by a built-in synchronous motor. In the case of power failure to the instrument, a clockwork mechanism is unlocked. The chart continues to advance but the recording and printing operations cease. The clockwork is normally kept wound by the synchronous motor and will provide operation of the chart for up to 24 hours in the event of power failure.

The chart is marked off in two sections. On the left-hand section is printed, at the expiration of each demand interval, the number of impulses that were received during that time. The right-hand section is divided into eight 1-centimeter divisions and, during the printing period, a line is drawn horizontally whose length is determined by the number of pulses received during the interval. These eight divisions are not further sub-divided, but their value can be ascertained by measurement with a centimeter scale. There is thus a numerical, graphical and horological record of the number of pulses received. A maximum demand dial also indicates by means of a pointer the maximum number of pulses received in any integrating period. Pulses received during the printing period are stored.

Terminals are provided so that pulses originating from either a S.P.S.T. or a S.P.D.T. switch can be recorded.

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S-EA.427
LANDIS & GHR TYPE "HG/PWA" TELE-PRINTO-MAKIGRAPH AVERAGE DEMAND RECORDER AND PRINTER



An hour dial on the left side completes one revolution in 24 hours, the night hours being marked with a black semicircle. Adjustable riders cause a relay to print an identifying symbol on the chart to provide distinction between certain groups of recorded values occurring in different integrating periods, e.g., high-rate and low-rate tariff periods, and in the event of a double tariff register being installed in the same case, to transfer the recording of the pulses to the higher tariff register.

The "Tele-Printo-Maxigraph" is approved for recording pulses generated by an approved contact device such as the "r4" contacts (see Circular S-BA.217). The instrument is approved for use unsealed. However, only the numerical print record may be used for billing; the graphical record must not be so used.

The basic "Tele-Printo-Maxigraph" is designated "RGI/Pmw". Certain auxiliary devices are approved for use with the instrument, as described below:

Ahead of the Oblique Stroke -

- "RGI" - denotes the basic receiving unit with a pivoting armature relay
- "d" - denotes a two-rate register
- "e" - denotes a single-rate register

Following the Oblique Stroke -

- "p" - denotes the printing mechanism
- "mw" - denotes a maximum device controlled by a built-in motor wound clockwork movement
- "myw" - denotes a maximum device controlled by a synchronous motor with additional clockwork carry-over movement electrically wound by induction motor
- "u" - denotes a changeover contact
- "d" - denotes a double tariff contact
- "q2" - denotes a marking relay
- "spez" - denotes a special arrangement to permit keying of the receiver relay by either a single-throw or double-throw transmitting contact.
(Note: American transmitting meters are of double-throw type; Landis & Gyr are of single-throw type.)
- "f1" - denotes flush mounting case
- "f2" - denotes surface mounting case.

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